Title (en)

PLANETARY GEAR UNIT

Title (de)

PLANETENGETRIEBEEINHEIT

Title (fr)

UNITÉ D'ENGRENAGE PLANÉTAIRE

Publication

EP 3072726 A1 20160928 (EN)

Application

EP 16153349 A 20150527

Priority

- JP 2014120198 A 20140611
- EP 15169429 A 20150527

Abstract (en)

A planetary-side first side wall includes an input opening into which a power transmission shaft transmitting rotative power from an electric motor body to a sun gear is inserted, an inner region extending radially outward from an outer peripheral edge of the input opening, an axially extending region extending in the direction toward the sun gear from an inner end in the radial direction of the inner region, and an outer region extending radially outward from the inner region via a transitional region. A carrier-side first side wall of a carrier member is rotatably supported via a bearing member by the axially extending region. At least a part of the inner region enters a motor case via an output opening formed in a motor-side first side wall of the motor case.

IPC 8 full level

B60K 7/00 (2006.01); **B60K 17/04** (2006.01); **F16H 57/02** (2012.01)

CPC (source: EP)

B60K 7/0007 (2013.01); **B60K 17/046** (2013.01); **B62M 7/12** (2013.01); **B62M 11/16** (2013.01); **F16H 57/02** (2013.01); B60K 2007/0038 (2013.01); B60K 2007/0092 (2013.01); B62K 2204/00 (2013.01); F16H 2057/02034 (2013.01); F16H 2057/02086 (2013.01)

Citation (applicant)

JP 4743819 B2 20110810

Citation (search report)

- [A] US 3292457 A 19661220 - ALEXANDRE HOROWITZ
- [A] US 3218889 A 19651123
- [A] US 2004023750 A1 20040205 - SCHULZ HORST [DE], et al
- [A] US 2006142113 A1 20060629 - CASANOVA PIERRE [FR], et al
- [A] US 2004082420 A1 20040429 - ROBINSON GEOFFREY P [GB]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2962886 A2 20160106; **EP 2962886 A3 20160427**; **EP 2962886 B1 20170510**; EP 3072726 A1 20160928; EP 3072726 B1 20170809; JP 2016001002 A 20160107; JP 6341768 B2 20180613

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EP 15169429 A 20150527; EP 16153349 A 20150527; JP 2014120198 A 20140611